DECLARATION, POWER OF ATTORNEY AND POWER TO

As a below named inventor, I hereby declare:

that my residence, post office address and citizenship are as stated below next

that I verily believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural inventors are named below) of the invention entitled: Namostructured material transport devices and their abrication by application of molecular coatings to nanoscale channels, the specification which (check one(s) applicable)

was filed July 30, 2003 as United States Patent Application No. and was amended by Amendment filed ____ (if applicable); or is attached to this Declaration. Power of Attorney and Power to Inspect;

that I have reviewed and understand the contents of the above-identified edification, including the claims, as amended by any amendment raferred to above; and

that I acknowledge my duty to disclose information which is material to the examination of this application in accordance with Rule 56(a) [37 C.F.R. §1.56(a)].

CLAIM UNDER 35 U.S.C. \$120: I hereby claim the benefit under 35 U.S.C. \$120 of any prior United States application(s) listed below:

Prior U.S. Appla No.

Filing Date DAY/MOR/XERY

Status Pending-Patented-Abandoned

110. 011

Insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 U.S.C. §112. I acknowledge the duty to disclose material information as defined in Rule 56(a) [37 C.F.R. §1.56(a)] which occurred between the filing date of the prior V.S. application and the national or PCT international filing date of this application.

POWER OF ATTORNEY: As inventor, I hereby appoint DANN, DORFMAN, HERRELL AND EXILLMAN, P.C. of Philadelphia, Pennsylvania, and the following individual(s) as my attorneys or agents with full power of substitution to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith: Patrick J. Hagan, Rog. No. 27,643 and Eathleen D. Rigaut, Ph.D., Reg. 43,047.

POWER TO INSPECT: I hereby give DANN, DORYMAN, HERRELL AND SKILLMAN, P.C. of Philadelphia, Pennsylvania or its duly accredited representatives power to inspect and obtain copies of the papers on file relating to this application.

> SEND CORRESPONDENCE TO: DIRECT INQUIRIES TO:

CUSTOMER NUMBER 000110 Telephone: (215) 563-4100 (215) 963-4044 Facsimila:

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

BOLE OR FIRST JOINT INVENTOR

SECOND JOINT INVENTOR (IF ANY)

Full Name J. Michael Ramsey First Middle Last	Full Name Tony E. Haynes First Middle Last
Signatura & Michel Remay	Signature
Date	Date
Recidence Knoxville, Tennessee City State or Country	Residence Knowille, Tennessee or Country
Citizenship U.S.A.	CitizenshipU.S.A. Fost Office Address:
Post Office Address:	11701 Georgefown Drive
733 Hampton Roads Drive	Etrest Address
Knoxville, Tennessee 37922 City State or Country Zip Code	Knoxville, Tennessee 37927 City State or Country 2ip Code

110.071

TRIND JOINT INVENTOR (IF ANY)

FOURTH SOURT INVENTOR (IF ANY)

TRIRD JORGT INVENTOR (N Lehner
Pull Name <u>Leonard</u> C. Feldman	Full Name David Middle Last
	Signature
signature	pate
DateTennessee	Residence Lengir City, Tennessee Gity State or Country
Residence Nanhville, Tennessee	Citizenship U.S.A.
Citizenship U.S.A.	post Office Address:
Post Office Address:	4619 Brandywing Drive
510 Belgrave Park	Street Address Lenoir City, Tennessee 37772 Lenoir City, State or Country
Nashville, Tennagge Zip Code	CZ C

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was filed July 30, 2003 as United States Patent Application No. and was amended by Amendment filed ___ (if applicable); or is attached to this Declaration, Power of Attorney and Power to Inspect;

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Prior U.S. Appla No.

Filing Date Day/Mog/Year Ponding-Patented-Ahandoned

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POWER OF ATTORNEY: As inventor, I hereby appoint DANN, DORPMAN, HERRELL AND SKILLMAN, P.C. of Philadelphia, Pennsylvania, and the following individual(s) as my attorneys or agents with full power of substitution to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith: Patrick J. Hagan, Reg. No. 27,643 and Kathleen D. Rigaut, Ph.D., Rag. 43,047.

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SOLE OR FIRST JOINT INVENTOR

BECOMD JOINT INVENTOR (IF AMY)

Full Name J. Michael Ramsev First Middle Last	Full Name Tony B. Haynes First Middle Last Signature Tony & huyes
Signature	Date January 26, 2004
Residence Knowville, Tennessee City State of Country Citizenship U.S.A.	Citizenship U.S.A. Post Office Address:
Post Office Address: 733 Hampton Roads Drive Street Address Knoxville, Tennessee 37922 City Received Time Jan 23 6:23PMip Code	Street Address Knoxville, Tennessee 37922 City State or Country zip Code

Feb. 2. ZUU4"IU:18AM" "SULID STATE DIV 000-070-0100

TRIED JOINT INVENTOR (IP ANY)

POURTH JOINT INVENTOR (IF ARY)

Full Name Leonard C. Feldmon Pirst Niddle Last	Full Name David M Zehner First Middle Last
17596	Signacure Found M. Zelmar Date January 27, 2004
Signature	Date January 27, 2004
Date	Residence Lenoir City, Tennessee
Residence Nashville, Tennessee City State or Country	City \$5228 of Country
Cicizenship U.S.A.	Citizenship U.S.A.
Post Office Address:	Post Office Address:
510 Belgrave Park	4619 Brandywine Drive
Street Address Nashvilla, Tannossoo 37215 State or Country Zip Code	Lenoir City, Tennessee 37772 City State or Country 21p Code
grate or Country 210 Code	0203

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was filed July 30, 2003 as United States Patent Application No.

(if applicable); or 10/629,970;

and was amended by Amendment filed _ is attached to this Declaration, Power of Attorney and Power to Inspect;

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SOLE OR FIRST JOINT INVENTOR

SECOND JOINT INVENTOR (IF ANY)

Signature	•
Date Residence Knoxville Tennessee Residence Knoxvilla Tennessee City State or Country Citizenship U.S.A. Post Office Address: 733 Hampton Roads Drive Street Address Street Address 37922	Code

THIRD JOINT INVENTOR (IP ANY)

POURTH JOINT INVENTOR (IF ANY)

	- · · · · -
Full Name Laonard C. Feldman Last	Pull Name <u>Payid</u> k <u>Zehner</u> Pirst Middle Last
signature Leval C. Heldr	Signature
Residence Nashville: Tennessee City State or Country	Residence Lenoir City, Tennessee City State or Country
City State or Country Citizenship U.S.A.	Citizenship U.S.A. Post Office Address:
Post Office Address: 510 Belgrave Park	4619 Brandywine Drive
Nashville. Tennessee 37215 City State or Country 2ip Code	Lenoir City, Tennessee 31772 City State or Country 2ip Code